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IR GAS DETECTOR POLYTRON 2IR Dräger

Function: Detected combustible gases and vapors using infrared (IR) absorption technology.

Applications: Used in offshore environments, oil and gas refineries, chemical plants, and other industrial settings where flammable gas monitoring is critical.

Benefits:

Explosion-proof design for safe use in hazardous locations.

High-performance IR sensor for accurate and reliable detection.

Durable construction for harsh environments.

Long lifespan and low maintenance requirements.

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DESCRIPTION REVIEWS (1)

Description

Dräger Polytron 2 IR: Advanced Features for Hazardous Gas Detection

The Dräger Polytron 2 IR stands out as a top-tier infrared gas detector engineered specifically for monitoring combustible gases and vapors in challenging environments. Ideal for offshore rigs and chemical plants, this detector ensures continuous safety and reliability.

Advanced Infrared Absorption Technology

Utilizing cutting-edge infrared absorption technology, the Polytron 2 IR excels in detecting a wide spectrum of combustible gases with high sensitivity.

Robust and Reliable Design

Stainless Steel Housing

Crafted from robust stainless steel, the Polytron 2 IR guarantees durability and is explosion-proof, meeting IP66 standards. This ensures reliable performance even in hazardous locations prone to dust and moisture.

Key Technical Specifications

- Gas Detection Range: 0 to 100% LEL for combustible gases
- Long-term Stability (Drift): Less than 2% LEL over 2 years
- Response Time: Less than 5 seconds
- Analog Output Signal: 4-20 mA
- Digital Output Signals: HART®, RS 485
- Water and Dust Protection: IP 66 and IP 67, NEMA 4 and 7
- Certifications: UL, CSA Class 1, Div 1, ATEX II 2G EEx de [ia] IIC T5, II 2D IP 6X T100°C EN 50281-1-1 IECEx Ex de [ia] IIC T5, Ex tD A21 IP6X T100°C, SIL 2 certified

Applications Across Industries

Offshore Installations

Widely used in offshore installations to detect gases like methane, ethane, and propane, enhancing safety protocols in maritime settings.

Chemical Plants

In chemical plants, the Polytron 2 IR monitors hazardous gases such as ethylene, propylene, and butadiene, ensuring worker safety and operational continuity.

Power Generation

Deployed in power plants to detect hydrogen, a potential fire and explosion hazard, thus safeguarding critical infrastructure.

Diverse Industrial Uses

From food processing to pharmaceutical manufacturing, the Polytron 2 IR supports various industrial applications, delivering precise gas

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While the Dräger Polytron 2 IR has been succeeded by newer models like the PIR 7000, Polytron 5700, and Polytron 8700, its legacy as a reliable, high-performance gas detector remains unparalleled. For industries requiring robust gas monitoring solutions, the Polytron 2 IR sets a benchmark in safety and efficiency.

FAQs

What makes Dräger Polytron 2 IR unique?
The Polytron 2 IR uses advanced infrared absorption technology for precise detection of combustible gases in challenging environments.

What are the key features of Polytron 2 IR?
It boasts a stainless steel housing, IP66 protection, and rapid response time of less than 5 seconds.

Which industries benefit from Polytron 2 IR?
It's ideal for offshore rigs, chemical plants, power generation facilities, and various industrial applications.

What are its certifications?
Polytron 2 IR is UL and CSA certified, along with ATEX and IECEx standards, ensuring global compliance for hazardous areas.

How long is its operational stability?
It maintains less than 2% LEL drift over 2 years, ensuring reliable long-term performance.

Is it suitable for dusty or wet environments?
Yes, it meets IP66 and IP67 standards, making it suitable for locations prone to dust and moisture.

★★★★★
5/5 (1 Review)

★★★★★
5/5 (1 Review)

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1 REVIEW FOR IR GAS DETECTOR POLYTRON 2IR DRÄGER

Troy – *September 30, 2024*

★★★★★

Apart from its outstanding performance, this product is also reasonably priced. These two features have led me to make Respinatrade my go-to source for future purchases.

ADD A REVIEW

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